DOCUMENT RESUME

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TITLE	Tools for Interactive Mathematical Activity. TIMA: BARS--A Tool Designed To Help Teachers Help Children Construct Their Own Knowledge of Whole Numbers and Fractions. [Diskette.]
PUB DATE	94
NOTE	Requires Macintosh System 7.1 or higher, color monitor, 2MB free RAM.
AVAILABLE FROM	William K. Bradford Publishing Company, Inc., 16 Craig Road, Acton, MA 01720 (3.5 inch diskette plus printed manual: $81).
PUB TYPE	Computer Programs (101)
EDRS PRICE	Document Not Available from EDRS.
DESCRIPTORS	*Arithmetic; Constructivism (Learning); *Courseware; Elementary Education; *Fractions; Junior High Schools; *Learning Activities; Mathematical Concepts; Mathematics Education; *Mathematics Instruction
IDENTIFIERS	*Mathematics Activities

ABSTRACT

This computer software is a tool designed to help teachers help children in grades 1 through 7 construct their own knowledge of whole numbers and fractions. This software is the first in a series of new, dynamic computer microworlds that allow teachers to interact with students and students to interact with each other as they engage in mathematical activities of reasoning, communicating, and problem solving. Through simple mouse actions, students can make rectangular bars and perform operations using these bars to investigate numerical relationships based on area and measurement concepts. Students can develop strategies for finding sums and differences of fraction quantities, for building equivalent fractions, and for finding fractions of fractions. (MKR)

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